

Final Product Change Notification

202103004F01

Issue Date: 30-Apr-2021
Effective Date: 29-Jul-2021

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.
 For More details Please Contact your respective Nexperia CSR/AM.



Management Summary

Introduction of GTA Semiconductor (former ASMC) wafer fab in Shanghai China for selected Logic products in C500/C50S process

Change Category

- | | | | | |
|--|---|---|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input checked="" type="checkbox"/> Product Marking | <input type="checkbox"/> Test Location | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab Materials | <input type="checkbox"/> Assembly Materials | <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Test Process | <input type="checkbox"/> Errata |
| <input checked="" type="checkbox"/> Wafer Fab Location | <input type="checkbox"/> Assembly Location | <input type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |

Expansion of wafer fab capacity by introduction GTA Semiconductor (former ASMC) China

Details of this Change

Expansion of wafer fab capacity by introduction GTA Semiconductor (former ASMC) Shanghai China for selected Logic types in C500/C50S process to meet customer demand

- Additional source for C500/C50S process at GTA Semiconductor (Shanghai, China) next to NXP ICN8 (Nijmegen, The Netherlands)
- For selected C500/C50S processed Logic products

Please use the below link to access related documentation to this change notification
 Qualification Report: https://qcm.nexperia.com/change-notification-epcn/PCN_202103004F01_SQR.pdf

Why do we Implement this Change

- Front end capacity expansion
- Flexibility

Identification of Affected Products

- The changed products can be identified by date code
- The change can be identified by backward traceability
- Diffusion fab location can be identified on top side marking and/or reel and box labels

Product Availability

Sample Information

Samples are available upon request

Samples are available upon request via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands

Production

Planned first shipment 29-Jul-2021

Impact

- No impact
- No change in form, fit, function, quality or reliability
- Matching wafer PCM (Process Control Modules) and product parameters by 1.5 delta/sigma

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Products will continue to be diffused in ICN8 and will continue to ship to meet customer demand

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 30-May-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Remarks

Wafer Fab Indicators:

"Y"= GTA-3 (former ASMC), Shanghai, China

"T"= NXP ICN8, Nijmegen, Netherlands

- No change in form, fit, function, quality or reliability
- No change in data sheet and test limits
- No change in ordering code 12NC's

Contact and Support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support team.

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

About Nexperia B.V.

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Affected OPN

74HC11D,653	74HC1GU04GW,125	74HCT4040PW,112	74HC4049PW,118
74HC4040D,653	74HC73PW,118	74HC11PW,118	74HC365PW,118
74HC4538D,652	74HCT11D,653	74HC11D,652	74LV14BQ,115
74HC597D,652	74HCT4040BQX	74HCT1G14GV,125	74LV4052PW,118
74HCT597D,653	74HC4060BQ,115	74HCT154BQ,118	74HC126D,653
74HC1G14GV,125	74HC4060D,652	74LV08PW,118	74HC4538D,653
74HC4049D,653	74HC73D,653	74HC365D,652	74HC377D,652
74HC597PW,118	74LV14D,118	74HC154BQ,118	74HC4050D,652
74HC377D,653	74LV595D,118	74HC4060D,653	74HC1G66GV,125
74HC1G14GW,125	74HCT377D,652	74LV595PW,118	74HCT365D,653
74HC4050PW,118	74HC4060PW,118	74HCT4538D,118	74LV14D,112
74HC154PW,118	74HC1G66GW,125	74LV165D,118	74HCT11PW,118
74HCT1G66GW,125	74HC540D,653	74LV00BQ,115	74HCT11D,652
74HCT1G14GW,125	74LV165PW,118	74HC126D,652	74HCT377PW,112
74HCT154PW,112	74HCT540D,652	74HCT11PW,112	74HC365D,653
74HC4050D,653	74LV14PW,118	74HC597D,653	74HC377PW,118
74HC4040PW,118	74HCT377D,653	74HCT4060BQ,115	74HC4538PW,118
74LV4052D,118	74HC4040D,652	74HCT4040D,652	74LV00D,118
74LV595PW,112	74HC4040BQX	74HCT365PW,118	74LV00PW,118